5

10

ABSTRACT OF THE DISCLOSURE

A method for producing a plastic film having improved characteristics, which consists in nebulizing on the faces, in the region downstream of the extruder, at least one "active substance" or a mixture of "active substances", utilizing the various states of aggregation of the product generated by the temperature distribution. These substances modify the structure of the film, in particular its surface structure, by bonding and penetrating to a depth which is a function of the temperature, of the material of the film and of the type of substance used.